Index of Claims



Application/Control No.

09/847,037

MURREN ET AL.

Reexamination

Applicant(s)/Patent under

Examiner

Art Unit

Thanhnga B. Truong

2135

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral)
Cancelled Restricted

Non-Elected N Interference

Appeal 0 Objected

|                       |                      |              |  |  |          |              |                   | ١             |  | -               |
|-----------------------|----------------------|--------------|--|--|----------|--------------|-------------------|---------------|--|-----------------|
| Cla                   | Date                 |              |  |  |          |              |                   |               |  |                 |
|                       |                      |              |  |  |          |              |                   |               |  |                 |
| <u>a</u>              | Original             | 9/28/07      |  |  |          |              |                   |               |  |                 |
| Final                 | igi                  | 28           |  |  | į        |              |                   | 1             |  |                 |
| ш.                    | ō                    | 6            |  |  |          |              |                   |               |  |                 |
|                       |                      |              |  |  |          |              | $\vdash$          |               |  |                 |
| _                     | 7                    |              |  | _  |          |              | _                 | _             |  |                 |
|                       | 2                    |              |  | Ш  |          |              |                   |               |  | Ш               |
|                       | -3-                  |              |  |  |          |              |                   |               |  |                 |
| <                     | -4-                  |              |  |  |          |              |                   |               |  |                 |
|                       | -5                   | _            | -  |  |          |              |                   |               |  |                 |
|                       | 6                    | $\vdash$     | J  |  |          |              |                   |               |  | $\Box$          |
| _                     | 7                    |              | L  |  |          |              |                   |               |  | $\neg$          |
| 1                     | 8                    | =            |  |  |          | _            |                   | $\neg$        | $\overline{}$                                    | $\dashv$        |
| -                     | 9                    | =            |  |  |          |              |                   | $\overline{}$ |  |                 |
| 2                     | 10                   | -            |  | -  |          |              |                   |               |  | $\dashv$        |
| 1<br>2<br>3<br>4<br>5 | 11                   | -            |  | Н  |          | -            |                   |               |  | $\vdash \vdash$ |
| <del>-</del>          | 11                   | =            | $\vdash$   | Н  |          | -            |                   | $\vdash$      | <del></del>                                      | Н               |
| F-5-                  | 12                   | =            | <u> </u>   |  |          | -            |                   |               |  | Н               |
| 6<br>8                | 13                   | =            | <u> </u>   | <u> </u>   |          | ļ            |                   | Н             | <u> </u>   | Щ               |
| 8                     | 12<br>13<br>14<br>15 | =            |  |  |          | <u> </u>     |                   | Щ             |  | Ш               |
| 9                     | 15                   | =            |  |  |          | <u> </u>     |                   | Ш             |  |                 |
| 10                    | 16<br>17             | =            |  |  |          |              |                   |               |  |                 |
|                       | -17                  | _            |  |  |          |              |                   |               |  |                 |
| 12<br>13              | 18                   | =            |  |  |          |              |                   |               |  | 1               |
| 13                    | 19                   | =            |  |  |          |              |                   |               |  |                 |
|                       | 19<br><del>20</del>  | -            | -  |  |          |              |                   |               |  | П               |
| 14                    | 21                   | ╘            |  |  | _        |              | -                 | $\vdash$      |  | Н               |
| 15                    | 22                   | =            |  |  | -        | <u> </u>     | -                 | -             |  | $\vdash$        |
| 15<br>17              | 22<br>23             | <del> </del> | _  | -  |          | ├─           |                   | -             | -  | Н               |
| 17                    | 24                   | <u> </u>     |  | -  |          | -            |                   | -             | -  | $\vdash$        |
|                       |                      | =            | _  | _  | _        | <u> </u>     | _                 |               | <u> </u>   | Н               |
| 18<br>20              | 25<br>26<br>27       | =            |  | <u> </u>   |          |              |                   |               | <u> </u>   | $\vdash$        |
| 20                    | 26                   | 트            | _  |  |          | <u> </u>     | L.                |               | <u> </u>   | Ш               |
| 21                    | 27                   | =            | L_   | <u> </u>   | ·        |              |                   | L             | L_   | Ш               |
|                       | 28-                  |              |  |  |          |              |                   |               |  | Ш               |
| 22                    | 29                   | =            |  |  |          |              |                   |               |  | Ш               |
|                       | 30-                  |              | <u> </u>   |  |          |              |                   |               |  |                 |
|                       | 31                   | =            | -  |  |          |              |                   |               |  |                 |
|                       | 32                   | _            |  |  |          | T            |                   |               |  |                 |
|                       | 33                   |              | -  |  |          |              |                   |               |  | $\vdash$        |
|                       | 34                   |              | -  | <del>                                     </del> | $\vdash$ |              |                   | Н             | <del>                                     </del> | Н               |
| 23                    | 35                   | =            | <del>                                     </del> |  | Ι-       |              | $\vdash$          | $\vdash$      | <u> </u>   | $\vdash$        |
|                       | 36                   |              |  | -  | -        | $\vdash$     | -                 | <del> </del>  | <del>                                     </del> | $\vdash$        |
| 24                    | 37                   | =            | $\vdash$   |  | $\vdash$ | <del> </del> | -                 |               | -  | $\vdash$        |
| 25                    | 38                   | =            | -  |  | $\vdash$ | $\vdash$     |                   | $\vdash$      | $\vdash$   |                 |
| 26<br>27              | 30                   | -            | $\vdash$   | $\vdash$   | -        | <del> </del> |                   | <u> </u>      |  |                 |
| 121                   | 39                   | =            | <u> </u>   | ┢  | <u> </u> |              |                   | -             |  |                 |
|                       | 40                   | E            | <u> </u>   | <u> </u>   | _        | $\vdash$     | <u> </u>          |               | <u> </u>   | $\vdash$        |
|                       | 41                   | 匚            | <u> </u>   | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>          |               |  | $\sqcup$        |
|                       | 42                   | =            | <u> </u>   |  | L.       | <u> </u>     | <u> </u>          |               | _  | Ш               |
|                       | 43                   | 匚            |  |  |          |              | $ldsymbol{f eta}$ |               | <u> </u>   | Ш               |
|                       | 44                   | 上            |  |  | _        |              |                   |               |  |                 |
| 11                    | 45                   | =            | L  |  | L        | Ĺ            |                   |               |  |                 |
| 19                    | 46                   | =            |  |  |          |              |                   | $\Gamma$      |  |                 |
| 16                    | 47                   | =            |  |  |          |              |                   | <u> </u>      |  |                 |
| 7                     | 48                   | =            |  | T  |          |              |                   | T             | П  |                 |
| 25                    | 49                   | =            | 1  | <del>                                     </del> |          | Т            |                   |               | Т  | П               |
| <del> </del>          | 50                   | -            | -  | -  | -        | <u> </u>     | -                 |               | <u> </u>   | Н               |
| L                     | 1 30                 | Ц.           | L  | ١  | L        | <u> </u>     | Ц.                | <u> </u>      | ٠  | ـــــا          |

| Cla      | im       | Date     |          |              |  |                                     |          |          |          |  |
|----------|----------|----------|----------|--------------|--|-------------------------------------|----------|----------|----------|--|
|          | _ 1      |          |          |              |  |                                     |          |          |          |  |
| Final    | Original |          |          |              |  |                                     |          |          |          |  |
|          | - 1      |          |          |              |  |                                     |          |          |          |  |
| ļ        | 51<br>52 | _        |          |              | _  |                                     | _        |          |          |  |
|          | 52       | _        |          |              |  |                                     |          |          |          |  |
|          | 53       | _        |          |              |  |                                     |          |          |          | _  |
| $\vdash$ | 54       |          |          |              |  | _                                   |          |          |          |  |
| '        | 55       |          |          | _            |  |                                     |          |          |          |  |
| <u> </u> | 56       | _        |          |              |  |                                     | $\Box$   |          |          |  |
| <b> </b> | 57       |          |          | _            | _  |                                     |          |          |          |  |
| 1        | 58       |          |          |              |  |                                     |          |          |          |  |
| -        | 59       |          |          |              |  |                                     | _        |          |          |  |
|          | 60       |          |          | _            |  |                                     |          |          |          |  |
| <u> </u> | 61       |          |          |              |  |                                     |          |          |          | _  |
|          | 62       |          |          | <u> </u>     |  |                                     |          |          | -        | -  |
|          | 63<br>64 | $\Box$   |          | _            |  |                                     | $\vdash$ |          |          | -  |
|          | 65       | -        |          | -            | $\vdash\vdash$                                   | <del></del>                         | -        |          | <u> </u> | -  |
| -        | 66       | _        | -        |              |  |                                     |          |          | -        | _  |
| -        | 66<br>67 | —        |          | -            | -  |                                     |          |          |          |  |
| <b></b>  | 68       | _        | -        |              |  |                                     | $\vdash$ |          | _        |  |
|          | 69       |          | _        | -            |  | _                                   |          |          |          |  |
|          | 70       |          | _        |              |  |                                     |          |          |          |  |
|          | 71       |          |          |              |  |                                     | _        |          |          | $\vdash$   |
|          | 72       |          | _        |              |  |                                     |          |          |          |  |
|          | 72<br>73 |          |          | -            |  |                                     |          |          |          |  |
|          | 74       |          | Г        |              |  |                                     |          |          |          |  |
|          | 75<br>76 |          |          |              |  |                                     |          |          |          |  |
|          | 76       |          | Ĺ        |              |  |                                     |          |          |          |  |
|          | 77       |          |          |              |  |                                     |          |          |          | <u> </u>   |
| L        | 78<br>79 |          | <u> </u> | <u> </u>     |  | <u> </u>                            |          |          | <u> </u> | L_   |
| L        | 79       |          |          | <u> </u>     | _  | <u> </u>                            |          | L        | _        |  |
|          | 80       |          | ļ        | _            | _  | ļ                                   | _        |          | ļ        | _  |
|          | 81       |          | _        |              |  | <u> </u>                            | _        |          | _        |  |
|          | 82       |          | ļ        | -            |  | <u> </u>                            |          |          | -        | _  |
| -        | 83<br>84 |          | -        |              | $\vdash$   | -                                   |          |          | -        | <u> </u>   |
|          | 85       |          | ├-       | <del> </del> | <del>                                     </del> | $\vdash$                            |          | $\vdash$ | $\vdash$ | -  |
|          | 86       | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$                            | -        |          | Ι        | $\vdash$   |
|          | 87       |          | $\vdash$ | <u> </u>     | <del>                                     </del> | -                                   |          |          |          | <del>                                     </del> |
|          | 88       |          | <u> </u> | H            |  | 一                                   | $\vdash$ | _        | $\vdash$ | Г  |
|          | 89       |          |          |              |  |                                     |          |          | Ι        |  |
|          | 90       |          |          |              |  |                                     |          |          |          |  |
|          | 91       |          |          |              |  |                                     |          |          | Ĺ        |  |
|          | 92       |          |          |              |  |                                     |          |          |          |  |
|          | 93       |          |          |              | $\Box$   |                                     |          |          | L        |  |
|          | 94       | <u> </u> | L        |              | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | <u> </u> | _        | _  |
|          | 95       |          | <u> </u> | <u> </u>     | <u> </u>   | <u> </u>                            | <u> </u> |          |          | _  |
|          | 96       |          | <u> </u> |              | Ļ  | _                                   | <u> </u> | _        | <u> </u> | ļ  |
|          | 97       |          | <u> </u> | <u> </u>     | <del> </del>                                     | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> |  |
| <u> </u> | 98       | <u> </u> |          |              | -  | H                                   | -        | -        |          | -  |
| -        | 99       | -        | -        | $\vdash$     | $\vdash$   | -                                   | ├        | $\vdash$ | -        | -  |

| Cla   | aim               | <u></u> ,  |          |          |          | Date                                | 9  |  |          |                      |  |
|-------|-------------------|--|----------|----------|----------|-------------------------------------|--|--|----------|----------------------|--|
| Final | Original          |  | -        |          |          |                                     |  |  |          |                      |  |
|       | 101               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 101<br>102        |  |          |          |          |                                     |  |  |          |                      |  |
|       | 103               |  |          |          |          | $[ \ ]$                             |  |  |          |                      |  |
|       | 104<br>105        |  |          |          |          |                                     |  |  |          |                      |  |
|       | 105               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 106               |  |          |          |          |                                     |  |  | _        |                      |  |
|       | 107<br>108        | -  |          |          |          |                                     | Ŀ  |  | _        | _                    |  |
|       | 108               |  | _        |          |          |                                     |  |  |          |                      |  |
|       | 109<br>110        |  |          | $\vdash$ |          | -                                   |  |  | _        | -                    |  |
|       | 111               | -  |          | -        |          | -                                   |  |  |          | $\dashv$             |  |
|       | 112               | $\vdash$   | -        | $\dashv$ |          | Н                                   | -  |  | $\vdash$ | $\dashv$             |  |
|       | 113               | $\dashv$   | $\vdash$ |          |          | $\vdash$                            | $\vdash$   |  | H        | $\dashv$             |  |
|       | 114               |  | Н        |          |          |                                     |  |  |          | $\dashv$             |  |
|       | 115               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 116               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 117               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 118<br>119        |  |          |          |          |                                     |  |  |          |                      |  |
|       | 119               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 120               | Ш  |          |          |          |                                     |  |  |          | Щ                    |  |
|       | 121<br>122<br>123 |  |          |          |          |                                     |  |  |          |                      |  |
|       | 122               | _  | _        |          |          | $\vdash$                            | <u> </u>   |  |          | $\dashv$             |  |
|       | 123               |  | _        |          |          | <u> </u>                            | <u> </u>   | _  |          |                      |  |
|       | 124<br>125<br>126 | <u> </u>   | -        |          |          |                                     | -  | _  |          | ႕                    |  |
|       | 125               |  |          |          |          | $\vdash$                            | <del> </del>                                     |  |          | $\dashv$             |  |
|       | 127               | -  | -        | -        | -        | $\vdash$                            | $\vdash$   |  |          | $\dashv$             |  |
|       | 128               | -  |          | -        |          | ٠.                                  |  |  |          | $\dashv$             |  |
|       | 127<br>128<br>129 | _  | -        | -        |          |                                     |  |  | _        | =                    |  |
|       | 130               |  |          |          |          |                                     | _  |  |          |                      |  |
|       | 130<br>131        |  |          |          |          |                                     |  |  |          |                      |  |
|       | 132               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 133<br>134        |  |          |          |          |                                     |  |  |          |                      |  |
|       | 134               |  |          |          | Ŀ        | L_                                  |  | _  |          |                      |  |
|       | 135               | L  | _        | _        | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>   |  |          | $\square$            |  |
|       | 136<br>137        | $\vdash$   | Ш        |          | _        | H                                   | <u> </u>   |  | ļ        | $\square$            |  |
|       | 13/               | -  |          | <u> </u> | _        | H                                   | $\vdash$   |  |          |                      |  |
|       | 138<br>139        | -  | -        | -        | _        | H                                   | $\vdash$   |  | $\vdash$ | $\vdash$             |  |
|       | 140               | H  | $\vdash$ | $\vdash$ | -        | -                                   | <del> </del> -                                   | -  |          | $\vdash\vdash\vdash$ |  |
|       | 141               | -  | -        | H        | -        | $\vdash$                            | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$             |  |
|       | 142               | <del>                                     </del> |          | -        | $\vdash$ |                                     | <del>                                     </del> | <del>                                     </del> | Ι        |                      |  |
|       | 143               |  | П        |          |          | Т                                   | $\vdash$   |  | $\vdash$ |                      |  |
|       | 144               |  |          |          |          |                                     |  |  |          | П                    |  |
|       | 145               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 146               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 147               |  |          |          |          |                                     |  |  |          |                      |  |
|       | 148               |  | <u> </u> | L        | L        | <u> </u>                            | <u> </u>   | _  | <u> </u> | 니                    |  |
|       | 149               | <u> </u>   | <u> </u> | L        | _        | <u> </u>                            |  | <u> </u>   | _        | Ш                    |  |
|       | 150               |  |          |          |          |                                     |  |  |          | Ш                    |  |